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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

•	Application No.	Applicant(s)				
	10/723,273	BARRETT ET AL.				
Office Action Summary	Examiner	Art Unit				
	Nihir Patel	3772				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPL' WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period or Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATI 36(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS free, cause the application to become ABANDO	ON. The timely filed From the mailing date of this communication. From the mailing date of this communication. From the mailing date of this communication.				
Status						
Responsive to communication(s) filed on 12.1. 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allowa closed in accordance with the practice under E	s action is non-final. nce except for formal matters,					
Disposition of Claims						
4) Claim(s) 1-32 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) Claim(s) 28-32 is/are allowed. 6) Claim(s) 1,2,4-7,11-13,16,18-21 and 23-27 is/are 7) Claim(s) 3,8-10,14,15,17 and 22 is/are objecte 8) Claim(s) are subject to restriction and/o Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 10 is accomplication to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 11 is accomplication to the Replacement drawing sheet(s) including the correct 11 is accomplicated to by the Examine 12 is accomplicated to by the Examine 13 is accomplicated to by the Examine 14 is accomplicated to by the Examine 15 i	wn from consideration. are rejected. ed to. or election requirement. er. cepted or b) objected to by the drawing(s) be held in abeyance. etion is required if the drawing(s) is	See 37 CFR 1.85(a). objected to. See 37 CFR 1.121(d).				
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list Attachment(s)	ts have been received. ts have been received in Applic prity documents have been rece nu (PCT Rule 17.2(a)).	cation No eived in this National Stage				
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 8.16.04; 7.19.04; 3.16.04.	4) Interview Summ Paper No(s)/Ma 5) Notice of Inform 6) Other:					

Office Action Summary

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1, 2, 4, 11, 13, 16, 18-21, 23, 26 and 27 are rejected under 35 U.S.C. 102(e) as being anticipated by Hauschild et al. (US 6,802,846).
- 3. As to claim 1, Hauschild teaches an apparatus that comprises an outer shaft 40 (see figure 4) having a distal end; a housing 24 (see figures 3 and 4) to the distal end of the shaft and configured to receive the bronchial device; an inner shaft 25 slidably disposed within the outer shaft (see figure 4); and a handle 30 (see figure 2) adapted to move the outer shaft relative to both the inner shaft and the handle while the inner shaft remains fixed relative to the handle so as to eject the bronchial isolation device from the housing (see figures 13-15).
- 4. As to claim 2, Hauschild teaches an apparatus that further comprises a flange 28 coupled to a distal region of the inner shaft and movably disposed in the housing, wherein the flange is adapted to eject the bronchial isolation device from the housing during proximal movement of the outer shaft (see figures 5-7).
- 5. As to claim 4, Hauschild teaches an apparatus that further comprises an actuator member 31 and 32 (see figure 2) coupled to the handle, wherein movement of the actuation member causes the outer shaft to move to the inner shaft and the handle (see figures 4-7).

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6. As to claim 11, Hauschild teaches an apparatus that further comprises a sheath 50 (see figures 2-7) disposed over a portion of the outer shaft that the outer shaft is slidably disposed within the sheath, the sheath having a proximal end attached to the handle (see figure 2).

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- 7. As to claim 13, Hauschild teaches an apparatus wherein a portion of the outer slides into the handle when the outer shaft moves in a proximal direction (see figure 2).
- 8. **As to claim 16,** Hauschild teaches an apparatus wherein the outer shaft is configured tobe placed through a working channel of a bronchoscope (see summary of invention).
- 9. As to claim 18, Hauschild teaches an apparatus that comprises an outer shaft 50 (see figure 4) having a distal end; a housing 24 (see figures 3 and 4) to the distal end of the shaft and configured to receive the bronchial device; an ejecting member 25 movably disposed in the housing (see figures 4-7); and a handle 30 adapted to cause relative movement between the housing and the ejection member so as to eject the bronchial isolation device from the housing, wherein relative movement between the housing and the ejection member is limited to prevent the ejection member from moving substantially outside of the housing (see figures 5-7).
- 10. **As to claim 19,** Hauschild teaches an apparatus that further comprises an inner shaft **40** slidably disposed within the outer shaft, wherein the ejection member is coupled to a distal region of the inner shaft (see figure 4).
- 11. **As to claim 20,** Hauschild teaches an apparatus wherein the outer shaft is configured to move relative to the inner shaft and the handle, while the inner shaft remains fixed relative to the handle (see figures 4-7).

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12. **As to claim 21,** Hauschild teaches an apparatus wherein the relative movement between the housing and the ejection member is effected by moving the outer shaft relative to the ejection member.

- 13. As to claim 23, Hauschild teaches an apparatus that comprises a handle 30 (see figure 2); an outer shaft 40 movably coupled to the handle (see figure 2); an inner shaft 25 slidably disposed within the outer shaft and fixedly coupled the handle (see figure 2), the handle adapted to move the outer shaft relative to both the inner shaft and the handle while the inner shaft remains fixed relative to the handle (see figures 4-7); and a sheath 50 attached to the handle and disposed over a portion of the outer shaft such that the outer shaft is free to slide within the sheath (see figure 4).
- 14. As to claim 26, Hauschild teaches an apparatus that further comprises a housing 24 coupled to the distal end of the outer shaft and configured to receive the bronchial device (see figure 3).
- 15. **As to claim 27,** Hauschild teaches an apparatus wherein the apparatus is adapted for use in a bronchial passageway (see summary of invention).

Claim Rejections - 35 USC § 103

- 16. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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- 17. The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - 1. Determining the scope and contents of the prior art.
 - 2. Ascertaining the differences between the prior art and the claims at issue.
 - 3. Resolving the level of ordinary skill in the pertinent art.
 - 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 18. Claims 5-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hauschild et al. (US 6,802,846).
- 19. **As to claim 5,** Hauschild substantially discloses the claimed invention; see rejection of claim 1 above, but does not disclose a rack and pinion system that couples movement of the actuation member to movement of the outer shaft. It would have been obvious matter of design choice to use a rack and pinion system that couples movement of the actuation member to movement of the outer shaft in order to reduce friction, since the applicant has not disclosed that using a rack and pinion system that couples movement of the actuation member to movement of the outer shaft solves any stated problem or is for any particular purpose and it appears that the invention would perform equally well with the system described in Hauschild.
- 20. As to claim 6, Hauschild substantially discloses the claimed invention; see rejection of claim 1 above, but does not disclose an outer shaft that moves at a different rate than the actuating member. It would have been obvious matter of design choice to have an outer shaft that moves at a different rate than the actuating member in order to have better control of the device, since the applicant has not disclosed that having the outer shaft that moves at a different rate than the actuating member solves any stated problem or is for any particular purpose and it appears

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that the invention would perform equally well with the outer shaft moving at the same rate as the actuating member.

- 21. As to claim 7, Hauschild substantially discloses the claimed invention; see rejection of claim 1 above, but does not disclose an outer shaft moving about half the distance that the actuation member moves. It would have been obvious matter of design choice to have an outer shaft that moves about half the distance that the actuation member in order to have better control of the device, since the applicant has not disclosed that having the outer shaft that moves about half the distance that the actuation member moves solves any stated problem or is for any particular purpose and it appears that the invention would perform equally well with the outer shaft moving quarter distance or three-fourth the distance actuation member moves.
- 22. Claims **12, 24 and 25** are rejected under 35 U.S.C. 103(a) as being unpatentable over Hauschild et al. (US 6,802,846) in view of Lenker et al. (US 6,350,278).
- 23. As to claims 12, 24 and 25, Hauschild substantially discloses the claimed invention; see rejection of claims 1 and 23 above, but does not disclose the sheath comprising a lubricous material that comprises polyamide, Teflon doped polyamide or polyetheretherketone. Leanker teaches an apparatus that does provide a sheath comprising a lubricous material that comprises polyamide, Teflon doped polyamide or polyetheretherketone (see column 8 lines 25-40). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Hauschild's invention by providing a sheath comprising a lubricous material that comprises polyamide, Teflon doped polyamide or polyetheretherketone as taught by Lenker in order to reduce the friction and make it easier to move for the user.

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Allowable Subject Matter

24. Claims **28-32** are allowed. The prior art does not teach or suggest a method of deploying a bronchial device in a bronchial passageway in a patient's lung; advancing the delivery catheter into the patient's lung with the housing carrying the bronchial device until the housing is positioned in the bronchial passageway.

25. Claims 3, 8-10, 14, 15, 17 and 22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The prior art does not teach housing that has limited range of travel relative to the flange such that the flange does not move substantially outside of the housing.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nihir Patel whose telephone number is (571) 272-4803. The examiner can normally be reached on 7:30 to 4:30 every other Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patricia Bianco can be reached on (571) 272-4940. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent

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10/29/07